

Amendments to the Specification:

Please replace the paragraph beginning on page 3, line 20, with the following rewritten paragraph:

When the PI control gain is determined under a certain condition and control is fixed to the determined PI control gain, any change in output voltage Vm and voltage control value Vdcom will cause variation in the adjustment of the voltage applied across NPN transistor 313 in accordance with output voltage Vm even if the difference between output voltage Vm and voltage control value Vdcom is constant. As a result, the problem of variation in the follow-up property of output voltage Vm (e.g., a transient response property) with respect to voltage control value Vdcom will occur.

Please replace the paragraph beginning on page 4, line 1, with the following rewritten paragraph:

In view of the foregoing, an object of the present invention is to provide a voltage conversion apparatus converting a direct current voltage into an output voltage such that the follow-up property of the output voltage (e.g., a transient response property) with respect to a designated voltage is constant.

Please replace the paragraph beginning on page 20, line 3, with the following rewritten paragraph:

Corrector 524 receives feedback preliminary voltage control value Vdcom_fb_pr from PI controller 523 and output voltage Vm from voltage sensor 13 to correct feedback preliminary voltage control value Vdcom_fb_pr based on the following equation to calculate feedback voltage control value Vdcom_fb.

$$Vdcom_fb = Vdcom_fb_pr \times \frac{Vstd}{Vm} \quad \dots (2)$$

where Vstd represents the reference voltage. Reference voltage Vstd is the output voltage of voltage-up converter 12 where the follow-up property of output voltage Vm (e.g., a transient response property of voltage-up converter 12) with respect to voltage control value Vdcom is

equal to the reference property (e.g., a reference transient response property of voltage-up converter 12 as illustrated in Fig. 8, Pattern 1, curve k2).

Please replace the paragraph beginning on page 23, line 21, with the following rewritten paragraph:

Fig. 8 represents the follow-up property of output voltage V_m (e.g., a transient response property of voltage-up converter 12) with respect to feedback voltage control value V_{dcom_fb0} in feedback control when NPN transistors Q1 and Q2 of voltage-up converter 12 are turned on/off using signals PWU0, PWU1 and PWU2 shown in Fig. 7.

Please replace the paragraph beginning on page 23, line 25, with the following rewritten paragraph:

Referring to Fig. 8, output voltage V_m follows feedback voltage control value V_{dcom_fb0} as in pattern 1 when output voltage V_m matches reference voltage V_{std} . Specifically, output voltage V_m starts from a point A at timing t_0 to cross feedback voltage control value V_{dcom_fb0} at timing t_1 , and then follows feedback voltage control value V_{dcom_fb0} in accordance with a curve k2. The follow up property represented by curve k2 is referred to as the "reference property" (e.g., a reference transient response property).